Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Division

Name of Work: Improvements to Roads and Drains at Kondappa Layout western side roads in Chowdeshwari ward no 02

					Estimate Cost Rs.			20.00 Lakhs	
Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Lead 10 km	**82.60**							
	Total	**273.40**							
	For Drain & Culvert								
	Kondappa Layout								
	Lakshmi fancy store	1	112.00	0.90	1.00	100.80			
	9th cross	1	54.00	0.90	1.00	48.60			
						149.40	**Cum**	**273.40**	**40,845.96**
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with 40mm nominal size mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days complete as per specifications, MORTH specifications No. 408, (P.No.13, I.No.4-1.2 of PW,P&IWTD S.R 2018-19)								
	Basic rate	5194.00							
	Area weightage 6%	311.64							
	Total	**5505.64**							
	For Drain & Culvert								
	Kondappa Layout								
	Lakshmi fancy store	1	112.00	0.90	0.15	15.12			
	9th cross	1	54.00	0.90	0.15	7.29			
	Kondappa Layout - Road								
	Lakshmi fancy store	1	86.00	5.00	0.15	64.50			
						86.91	**Cum**	**5505.64**	**478495.17**
3	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 (P.No.14, I.No.4.11 of PW, P&IWTD S.R 2018-19)								
	Basic rate	5659.00							
	Area weightage 6%	339.54							
	Total	**5998.54**							
	For Drain & Culvert								

	Kondappa Layout								
	Raft								
	Lakshmi fancy store	1	112.00	0.75	0.15	12.60			
	9th cross	1	54.00	0.75	0.15	6.08			
	Wall								
	Lakshmi fancy store	2	112.00	0.15	0.60	20.16			
	9th cross	2	54.00	0.15	0.60	9.72			
						48.56	**Cum**	**5998.54**	**291259.11**
	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I No-4.31,P No-15)								
	Basic rate	358.00							
	Area weightage 6%	21.48							
	Total	**379.48**							
	For Drain & Culvert								
	Kondappa Layout								
	Lakshmi fancy store	4	112.00		0.60	268.80			
	9th cross	4	54.00		0.60	129.60			
						398.40	**Sqm**	**379.48**	**151184.83**
5	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
	Basic rate	69804.00							
	Area weightage 6%	4188.24							
	Total	**73992.24**							
	For Drain & Culvert								
	60Kg/Cum of Concrete		48.56	60.00		2.91			
						2.91	**Tn**	**73992.24**	**215561.59**
6	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	For Drain								
	Kondappa Layout								
	Lakshmi fancy store	1	96.00	0.75		72.00			
	9th cross	1	46.00	0.75		34.50			
	missing/damaged slabs	20	0.60	0.75		9.00			
						115.50	**Sqm**	**2337.00**	**269923.50**
7	Providing and Fixing pre cast covering Slab 250mm thick made out of CC M25 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge. (Data Rate)								
	Kondappa Layout								
	Culvert	2	8.00	1.20		19.20			

						19.20	Sqm	5418.00	104025.60
	KSRRB M300-14. **Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (Page No143., I.No.19.14 of KPWD S.R 2018-19								
	Basic rate	41.00							
	6.00% AW	2.46							
	Sub total	**43.46**							
	5 Km Lead	**25.6**							
	Total	**69.06**							
	Kondappa Layout								
	Lakshmi fancy store	1	86.00	5.00	0.30	129.00			
						129.00	**Cum**	**69.06**	**8,908.74**
9	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46um,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour,hire charges of machineries,all lead & lift charges etc., complete as per specifications. -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum.(P.No.176, I.No. 22.6.1) PWD SR 2018-19								
	Basic rate	4916.00							
	6% AW	294.96							
	Sub Total	5210.96							
	Kondappa Layout								
	Lakshmi fancy store	1	86.00	5.00	0.10	43.00			
						43.00	**Cum**	**5210.96**	**224071.28**
								Total Construction Cost	**1784275.78**
								12% GST	**214113.09**
								Sub Total	**1998388.88**
								Miscellaneous & Rounding off	**1,611.12**
								GRAND TOTAL	**2000000.00**

Administrative Approval
Accorded For ... 20.00 lakh
Head of A/C ... 1771 ...
CER NO :... 203 ... Dt: 25/2/19
CE (YNK)

TECHNICALLY SANCTIONED FOR Rs. 20.00 Lakh
Rupees ... Twenty ... Lakh ...
Under ... B/17/1 - 2018-19 ...
Registered as CE ( ) No. ...
Subject to conditions contained in enclosed memo EE ( ) No ... /9/
Dt. ... EE/TS/521 18-19 ...
Estimate A/ Sanctioned
No. ...
Dated ...
Rs. 20.00 Lakh
Executive Engineer

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Engineer
Ward No-02
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore

CLIENT: BRUHAT BANGALORE MAHANAGARA PALIKE	Assitante Engineer	Assitante Executive Engineer	Executive Engineer	Project Name: Improvements to roads and drains at Kondappa Layout Westrun Side Roads in Chowdeshwari Ward No-02 Dwg no:	scale; N.T.S Date Rev; R0

Proposed typical Cross section of C C Road

Okay by AE-02

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 2- CHOWDESWARI WARD

150 - YELAHANKA AC

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VILLAGE BOUNDARY
TANK
SRO LAYOUT
VILLAGE BOUNDARY
VILLAGE BOUNDARY
NAGANAHALLI MAIN ROAD
HAROHALLI
NAGANAHALLI
VILLAGE BOUNDARY
VILLAGE BOUNDARY
GODABALLAPUR ROAD
SRI NIDHI LAYOUT
NAGANAHALLI NEW LAYOUT
KEB LAYOUT PHASE-I
CRPF QUARTERS
NEW LAYOUT
VILLAGE BOUNDARY
GODABALLAPUR ROAD
CRPF CAMPUS
BALAJI LAYOUT
KENCHENAHALLI
EXI. CMC WARD BND.
RAILWAY LINE
ANJANAPURA
DUO MARVEL LAYOUT
D G STAFF QUARTERS
MAHALAXMI LAYOUT
RAMANASHREE CALIFORNIA GARDEN LAYOUT
VINAYAKA LAYOUT
YALAHANKA KERE
PUTTANAHALLI KERE
PUTTANAHALLI
TANK LIMIT
SWD
KHB ROAD
MAIN RD
CROSS RD
4TH MAIN
KHB COLONY
PUTTENAHALLI ROAD
WHEEL & AXLE PLANT
CHOWDESWARI LAYOUT
KAMAKSHAMMA LAYOUT
CROSS RD
BAZZAR ROAD
YELAHANKA
YALAHANKA NEW TOWN
5TH B CROSS
FM GOETZE PLANT
GODABALLAPURA RD
YESHWANTPURA ROAD
13TH A MAIN
EAST COLONY
H.E.S.W.S.K. RD
YALAHANKA SETELLITE TOWN

INDEX

- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09